Author’s response to reviews

Title: Electroacupunture at acupoint ST 37(Shangjuxu) improves function of the enteric nervous system in a novel mouse constipation model

Authors:
Chao Liang (warlocklc@139.com)
kaiyue wang (583135357@139.com)
Bin Xu (xuuuux@sina.com)
Zhi Yu (mickey28282@sina.com)

Version: 1 Date: 13 Aug 2016

Author’s response to reviews:

1 Format has been updated according to the suggestions of the Reviewer #1.

2 Revision has been made according to the suggestions of the Reviewer #2

(1) The y-axis legend of Fig 1A changed into “the ratio of propulsive distance to intestinal length”.

(2) Most previous research focused on the effects on central and peripheral neural pathways in EA’s ameliorating effects on intestinal motility, and ignored the role of ENS. GI motility is affected by both central and peripheral neural pathways, which work in concert with the ENS. Therefore, this study try to prove the ENS participates in EA effect on GI motility. In our view, EA at ST 37 restore the homeostatic balance via central and peripheral neural pathways working in concert with the ENS.

(3) Because the mouse the intestinal wall is too thin, it is very difficult to separate out the myenteric plexus. This method allows display of the surrounding tissue clearly.

(4) In recent work, we trying to use RT-PCR and Western blot to further study the relevant mechanisms.